

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/068002 A1

(51) International Patent Classification⁷: **A61M 16/00**,
A44B 11/25

(21) International Application Number:
PCT/AU2004/001834

(22) International Filing Date:
24 December 2004 (24.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/536,735 16 January 2004 (16.01.2004) US

(71) Applicant (for all designated States except US): **RESMED LTD** [AU/AU]; 97 Waterloo Road, North Ryde, New South Wales 2113 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GUNEY, Memduh** [AU/AU]; c/- ResMed Ltd, 97 Waterloo Road, North Ryde, New South Wales 2113 (AU). **AMARASINGHE, Amal** [AU/AU]; c/- ResMed Ltd, 97 Waterloo Road, North

Ryde, New South Wales 2113 (AU). **LITHGOW, Perry** [AU/AU]; c/- ResMed Ltd, 97 Waterloo Road, North Ryde, New South Wales 2113 (AU). **RAJE, Milind** [AU/AU]; c/- ResMed Ltd, 97 Waterloo Road, North Ryde, New South Wales 2113 (AU). **DAVIDSON, Aaron** [AU/AU]; c/- ResMed Ltd, 97 Waterloo Road, North Ryde, New South Wales 2113 (AU). **JONES, Michael** [AU/AU]; c/- ResMed Ltd, 97 Waterloo Road, North Ryde, New South Wales 2113 (AU).

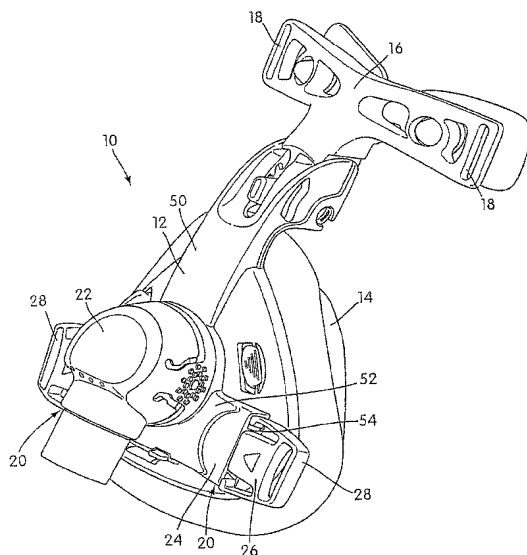
(74) Agents: **DAVIDSON, Geoffrey, Robert** et al.; Halford & Co, 1 Market Street, Sydney, New South Wales 2000 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: HEADGEAR CONNECTION ASSEMBLY FOR A RESPIRATORY MASK ASSEMBLY



(57) Abstract: A respiratory mask assembly (10) for delivering breathable gas to a patient includes a frame (12) and at least one locking clip (28). The frame (12) has a main body and a side frame member provided on each lateral side of the main body, at least one of the side frame members including a locking clip receiver assembly (24). The at least one locking clip (28) has a main body (30) providing a front portion (34) adapted to be removably coupled with the at least one locking clip receiver assembly and a rear portion (32) adapted to be removable coupled to a headgear assembly. The rear portion (32) includes a cross bar (46) that forms an opening (48) through which a strap of the headgear assembly can pass and be removably coupled with the cross bar, and the front portion (34) includes at least one resiliently flexible spring arm (36) that is flexible within the plane of the main body (30).



WO 2005/068002 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.